HAPPY

TRITON+

Quick User Guide

HAPPY SURVEY

Important Information

Read this manual before using the device.

Keep this manual for future reference.

Always use the product according to its intended purpose and within the specified environmental and operating limits.

Table of Contents

1. Product Overview **3**

2. Package Contents **4**

3. Getting Started **5**

4. Good Practices **5**

5. Cleaning and maintenence **6**

6. Trasport and Storage **7**

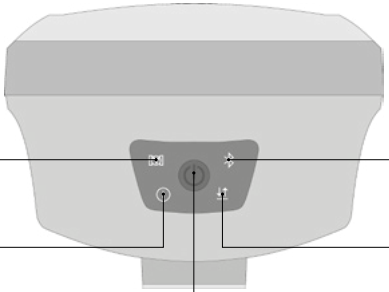
7. Troubleshooting **7**

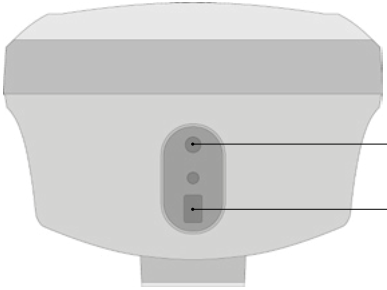
8. Support **8**

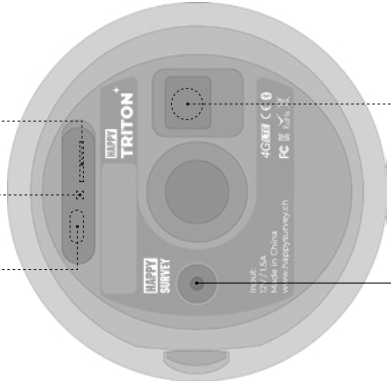
9. Disposal **8**

1. Product Overview

The HAPPY TRITON+ is a professional GNSS receiver designed for professional surveying.







2. Package Contents

Before using the device, check that the package contains all the supplied components.

Depending on the configuration, the package may include:

- HAPPY TRITON+ GNSS receiver
- Charger
- USB cable
- Radio Antenna
- Quick User Guide

Check the package before use. If any component is missing or damaged, contact HAPPY SUPPORT.

3. Getting Started

Battery - Only use the supplied charger and charging cable. Using unsuitable chargers or cables may damage the device or battery.

Switching the receiver on and off - Press and hold the Power button to switch the receiver on. To switch the receiver off, press and hold the Power button.

GNSS antenna - For reliable GNSS reception, ensure that the receiver has a clear view of the sky whenever possible.

Avoid placing the receiver close to large metal objects, sources of electromagnetic interference or other equipment that may affect GNSS reception.

When using the receiver on a surveying pole, make sure it is securely attached and correctly positioned.

USB and communication ports - Keep all ports clean and dry. Always close protective covers when the ports are not in use. Do not force connectors into the ports. Make sure the connector is correctly aligned before connecting it.

4. Good Practices

To ensure reliable operation and prolong the service life of the receiver:

- Use the original charger.

- Keep the ports clean and dry.
- Protect the receiver from impacts and falls.
- Always use the case when transporting the device.
- Make sure the receiver is securely mounted before use.
- Do not place heavy objects on the receiver.
- Do not pull cables by the cable itself; disconnect them by the connector.
- Avoid unnecessary exposure to direct sunlight and heat.
- Do not expose the device to liquids beyond its IP rating (IP67).
- Do not modify or disassemble the receiver.

Important: Always follow the operating temperature (from -40°C to 75°C), storage temperature (from -55°C to 85°C)and environmental limits specified for the product.

5. Cleaning and Maintenance

Clean the receiver regularly, especially after use in dusty, muddy or wet environments. Use a soft, clean, lint-free cloth. If necessary, slightly dampen the cloth with clean water.

Do not:

- use solvents or aggressive detergents;
- spray liquids directly onto the receiver;
- use abrasive materials;
- apply excessive pressure to the GNSS antenna or other sensitive components;
- insert objects into the connectors or ports;
- always ensure the receiver is dry before storing it.

Before cleaning, disconnect the receiver from external power and close all protective covers.

6. Transport and Storage

Always transport the HAPPY TRITON+ in its protective case or in suitable protective packaging.

When storing the receiver for an extended period:

- keep it in a clean and dry environment;
- avoid extreme temperatures and direct sunlight;
- protect it from dust, moisture and mechanical shocks;
- store the battery according to the manufacturer's recommendations.

If the receiver is moved between environments with significant temperature differences, allow it to reach the ambient temperature before use.

7. Troubleshooting

The receiver does not switch on - Connect the receiver to the supplied charger and allow the battery to charge before trying again.

GNSS reception is poor or unstable - Make sure the receiver has a clear view of the sky.

Move away from large obstacles, metal structures and possible sources of electromagnetic interference.

Check that the GNSS antenna surface is clean and unobstructed.

The receiver does not connect to the controller - Check that Bluetooth, Wi-Fi or the relevant communication interface is enabled and that the receiver is within the appropriate operating range.

Restart the receiver and controller if necessary.

The receiver becomes unusually hot - Stop using the device if the temperature becomes excessive.

Move it away from direct sunlight and allow it to cool down.

If the problem persists, stop using the device and contact HAPPY SUPPORT.

8. Support

Before contacting HAPPY SUPPORT, have the following information available:

- Product model
- Serial number
- Software / firmware version
- Description of the problem
- Relevant photos or screenshots, if applicable

9. Disposal

Do not dispose of the receiver or its battery with unsorted household waste.

Electronic equipment and batteries must be collected and disposed of according to the applicable local regulations.

Separate collection helps prevent potential environmental and health risks and allows materials to be recovered and recycled.

HAPPY Support
www.happysurvey.ch
support@happysurvey.ch
Via Pian Scairolo 23, 6912 Lugano